

## Product datasheet for **RC216651L2V**

### SEMA4C (NM\_017789) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | SEMA4C (NM_017789) Human Tagged ORF Clone Lentiviral Particle  |
| Symbol:                   | SEMA4C   |
| Synonyms:                 | M-SEMA-F; SEMACL1; SEMAF; SEMAI  |
| Mammalian Cell Selection: | None   |
| Vector:                   | pLenti-C-mGFP (PS100071)   |
| Tag:                      | mGFP   |
| ACCN:                     | NM_017789  |
| ORF Size:                 | 2499 bp  |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC216651).   |
| OTI Disclaimer:           | The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a> |
| OTI Annotation:           | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.   |
| RefSeq:                   | <a href="#">NM_017789.3</a>  |
| RefSeq Size:              | 3537 bp  |
| RefSeq ORF:               | 2502 bp  |
| Locus ID:                 | 54910  |
| UniProt ID:               | <a href="#">Q9C0C4</a>   |
| Cytogenetics:             | 2q11.2   |
| Domains:                  | PSI, IG, PSI   |
| Protein Families:         | Transmembrane  |



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**Protein Pathways:** Axon guidance

**MW:** 92.4 kDa

**Gene Summary:** Cell surface receptor for PLXNB2 that plays an important role in cell-cell signaling. PLXNB2 binding promotes downstream activation of RHOA and phosphorylation of ERBB2 at 'Tyr-1248'. Required for normal brain development, axon guidance and cell migration (By similarity). Probable signaling receptor which may play a role in myogenic differentiation through activation of the stress-activated MAPK cascade.[UniProtKB/Swiss-Prot Function]